Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) ~~A~~ The carbon monoxide concentration reduction apparatus according to claim 9, wherein ~~selective oxidizing catalyst, comprising:~~

~~a~~ the carrier ~~consisting~~ consists ~~essentially~~ of ~~ferrierite, the carrier comprising pores having a pore diameter in a range of from 0.55 nanometers (nm) to 0.65 nanometers (nm); and~~ ferrierite; and

~~a metal component supported on the carrier and which includes platinum (Pt) and at least one type of transition metal, wherein~~

~~when the carbon monoxide selective oxidizing catalyst receives a supply of a hydrogen-rich gas containing carbon monoxide, the carbon monoxide selective oxidizing catalyst promotes a carbon monoxide selective oxidizing reaction that oxidizes the carbon monoxide by giving the carbon monoxide priority over hydrogen; and wherein~~

~~a maximum allowable pore diameter of the carrier is 0.65 nanometers (nm);~~ ~~and~~ the transition metal is at least one type of metal selected from the group consisting of cobalt (Co), manganese (Mn), chromium (Cr), and iridium (Ir).

2. (Currently Amended) ~~A~~ The carbon monoxide concentration reduction apparatus ~~selective oxidizing catalyst~~ according to claim 1, wherein the transition metal is at least one type of metal selected from the group consisting of cobalt (Co), and manganese (Mn).

3-5. (Canceled)

6. (Currently Amended) ~~A~~ The carbon monoxide concentration reduction apparatus ~~selective oxidizing catalyst~~ according to claim 1, wherein the carbon monoxide selective oxidizing catalyst is subjected to a reduction processing before being used in order

to promote the carbon monoxide selective oxidizing reaction after the metal component has been supported on the carrier.

7. (Currently Amended) ~~A~~ The carbon monoxide concentration reduction apparatus ~~selective oxidizing catalyst~~ according to claim 6, wherein the reduction processing is performed at a temperature higher than a temperature of the hydrogen-rich gas used for the carbon monoxide selective oxidizing reaction.

8. (Currently Amended) ~~A~~ The carbon monoxide concentration reduction apparatus ~~selective oxidizing catalyst~~ according to claim 6, wherein the reduction processing is performed at 150 to 370°C.

9. (Currently Amended) A carbon monoxide concentration reduction apparatus, comprising:

a hydrogen-rich gas supply that supplies the hydrogen-rich gas;

an oxygen supply that supplies oxygen used for oxidizing the carbon monoxide;

a carbon monoxide selective oxidizing ~~catalyst comprising~~catalyst, comprising

a carrier consisting ~~essentially~~ of ferrierite and/or ZSM-5, the carrier comprising pores having a maximum allowable pore diameter ~~in a range~~ of ~~from 0.55 nanometers (nm) to~~ 0.65 nanometers (nm); and

a metal component supported on the carrier and which includes one of platinum (Pt) alone and platinum (Pt) and at least one type of transition metal, wherein

when the carbon monoxide selective oxidizing catalyst receives a supply of a hydrogen-rich gas containing carbon monoxide, the carbon monoxide selective oxidizing catalyst promotes a carbon monoxide selective oxidizing reaction that oxidizes the carbon monoxide by giving the carbon monoxide priority over hydrogen; and ~~wherein~~

~~a maximum allowable pore diameter of the carrier is 0.65 nanometers (nm);~~

~~and~~

a carbon monoxide selective oxidizing reactor that includes the carbon monoxide selective oxidizing catalyst and receives a supply of the hydrogen-rich gas and the oxygen from the hydrogen-rich gas supply and the oxygen supply, respectively, to selectively oxidize carbon monoxide contained in the hydrogen-rich gas through the carbon monoxide selective oxidizing reaction, wherein the carbon monoxide concentration reduction apparatus oxidizes the carbon monoxide contained in the hydrogen-rich gas, thereby reducing a carbon monoxide concentration in the hydrogen-rich gas.

10. (Original) A fuel cell system provided with a fuel cell that receives a supply of a fuel gas containing hydrogen and an oxidizing gas containing oxygen, and that obtains an electromotive force through an electrochemical reaction, the fuel cell system comprising:

a fuel gas supply that supplies the fuel cell with the fuel gas, wherein the fuel gas supply is provided with the carbon monoxide concentration reduction apparatus according to claim 9, and supplies the fuel cell with a hydrogen-rich gas whose carbon monoxide concentration has been reduced using the carbon monoxide concentration reduction apparatus as the fuel gas.

11. (Canceled)

12. (Currently Amended) ~~A~~ The carbon monoxide concentration reduction apparatus ~~selective oxidizing catalyst~~ according to ~~claim 11, wherein~~claim 9, wherein the carrier is a solid acid.

13-21. (Canceled)

22. (Currently Amended) ~~A~~ The carbon monoxide concentration reduction apparatus according to claim 9, ~~selective oxidizing catalyst that receives a supply of a hydrogen-rich gas containing carbon monoxide and promotes a carbon monoxide selective~~

~~oxidizing reaction that oxidizes the carbon monoxide by giving the carbon monoxide priority over hydrogen,~~ wherein

the catalyst is provided with a metal component including platinum (Pt) and at least one type of transition metal, and achieves a carbon monoxide reduction rate of at least 90% when the carbon monoxide selective oxidizing reaction is performed under ~~following~~ conditions (a) through (c):

(a) contents of components other than hydrogen in the hydrogen-rich gas are as follows: a carbon monoxide concentration is about 5000 ppm; a carbon dioxide concentration is about 25%; and an oxygen content is such that a molar ratio value between oxygen atoms and carbon monoxide molecules ([O]/[CO]) is 1;

(b) a space velocity is about 22000h^{-1} when the hydrogen-rich gas is supplied onto the carbon monoxide selective oxidizing catalyst; and

(c) a reaction temperature is 130°C; and wherein

~~the carbon monoxide selective oxidizing catalyst is supported on a carrier having a maximum allowable pore diameter of 0.65 nanometers (nm), the carrier comprising pores having a pore diameter in a range of from 0.55 nanometers (nm) to 0.65 nanometers (nm); and wherein~~ the transition metal is at least one type of metal selected from the group consisting of cobalt (Co), manganese (Mn), chromium (Cr), and iridium (Ir).

23. (Currently Amended) ~~A~~ The carbon monoxide concentration reduction apparatus ~~selective oxidizing catalyst~~ according to claim 22, wherein the carbon monoxide reduction rate of 98% or higher is achieved when the carbon monoxide selective oxidizing reaction is performed under the conditions (a) through (c).

24-40. (Canceled)

41. (Currently Amended) ~~A~~ The carbon monoxide concentration reduction apparatus according to claim 9, wherein ~~selective oxidizing catalyst, comprising:~~

~~a~~ the carrier ~~consisting~~ consists ~~essentially~~ of ZSM-5; and

~~a metal component supported on the carrier and which includes platinum (Pt) and at least one type of transition metal, wherein~~

~~when the carbon monoxide selective oxidizing catalyst receives a supply of a hydrogen-rich gas containing carbon monoxide, the carbon monoxide selective oxidizing catalyst promotes a carbon monoxide selective oxidizing reaction that oxidizes the carbon monoxide by giving the carbon monoxide priority over hydrogen; and wherein~~

~~a maximum allowable pore diameter of the carrier is 0.54 nanometers (nm); and wherein~~ the transition metal is at least one type of metal selected from the group consisting of cobalt (Co), manganese (Mn), chromium (Cr), and iridium (Ir).